

# Maryland Council on Open Data

Quarterly Meeting  
December 21, 2018



# Welcome and Introductions

Michael Leahy

*Secretary, Department of Information Technology*

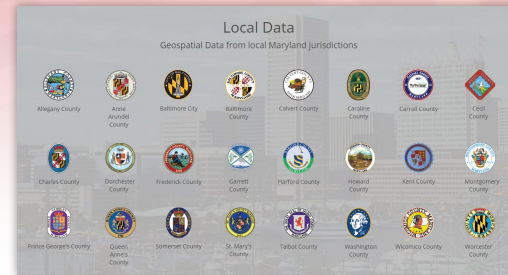
*Council on Open Data Chair*

# Agenda

- Introductions
- Opening Remarks
- Council on Open Data – 2018 Annual Report Review
  - Open Data in Maryland
  - Data Management
  - Open Data Access Improvement
  - Workgroup Development
  - Road Ahead
- Workgroup Updates
  - Outreach and Training
  - Administration and Management
    - Council on Open Data Organizational Guidance
  - Data and Technical Resources
    - Licensing
    - Data Tagging
- Goals for 2019 and Open Discussion

# Annual Report: Open Data in Maryland

- Maryland provides open data access to more than 1,270 datasets through two open data portals:
  - Maryland Open Data Portal - <http://data.maryland.gov>
  - Maryland's GIS Data Catalog - <http://data.imap.maryland.gov>
- The open data portals see a combined traffic of **8,630** unique customers a month and roughly **40,600** monthly page views.
- Additional 600+ datasets are shared on the Open Data Portal from approximately 7 partnering jurisdictions
- All Maryland county maintained GIS data is available, via linked icon, from the GIS Data Catalog



# Annual Report: Open Data in Maryland

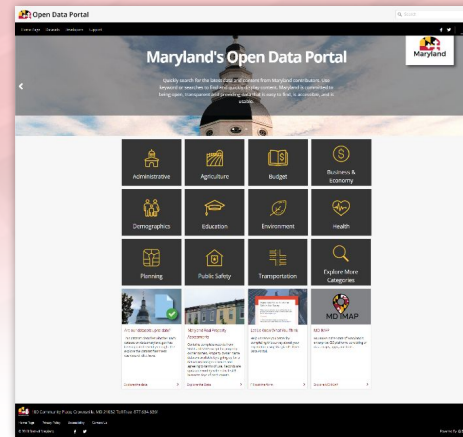
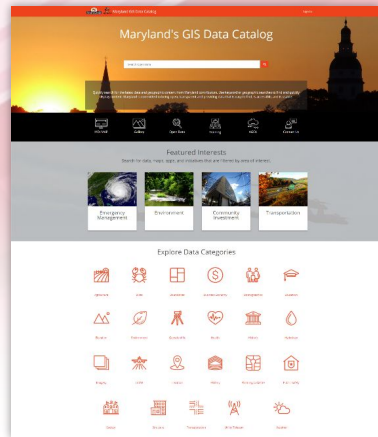
Open Data Portal	GIS Data Catalog
1 Violent Crime & Property Crime by County: 1975 to Present	1 Maryland Property Data – Tax Map Grids
2 Violent Crime & Property Crime by Municipality: 1975 to Present	2 Maryland Property Data – Parcel Points
3 Violent Crimes & Property Crime Statewide Totals: 1975 to Present	3 Maryland Traffic Cameras - Traffic Cameras
4 Minority Business Enterprise: Statewide Directory – MBE, DBE (Disadvantaged Business Enterprise), SBE (Small Business Enterprise), and ACDBE (Airport Concession Disadvantaged Enterprise) Certified Business	4 Maryland Annual Average Daily Traffic - Annual Average Daily Traffic (SHA Statewide AADT Lines)
5 Maryland Real Property Assessments: Hidden Property Owner Names	5 Maryland Roadway Posted Speed Limits
6 Maryland Port Administration General Cargo	6 Maryland Waterbodies – Rivers and Streams
7 MTA Average Weekday Ridership – by Month	7 Maryland Physical County Boundaries – Generalized
8 Employment, Unemployment, and Labor Force Data	8 Maryland Annual Average Daily Traffic - Annual Average Daily Traffic (SHA Statewide AADT Lines)
9 Maryland's 8 Digit Sub-Watersheds	9 Maryland Road Centerlines - Maryland Routes
10 Choose Maryland: Compare Counties – Taxes	10 Maryland Road Centerlines - Local and Other Roads

# Annual Report: Data Management

- The Department of Information Technology released its Data Management Standardization Report on June 1, 2018.
- Open Data Policy and Standards in 2018 were released in August 2018. The specifications and guidelines in the Policy and Standards will improve data consistency and availability of information
- Data inspection analysis, which are performed using automated scripts
  - Analysis looks for data quality, data quantity, data duplication, as well as changes to the data
- Data Freshness Report was updated to include all 1,270-plus datasets to provide accountability for dataset updating and maintenance. Additionally, a new Data Freshness Dashboard was developed, using commercial-off-the shelf software to replace the prior custom-developed dashboard

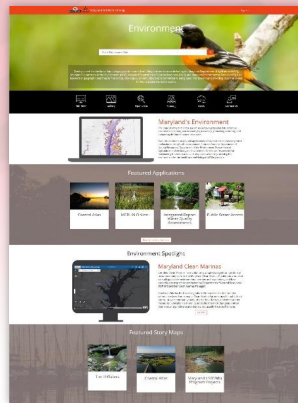
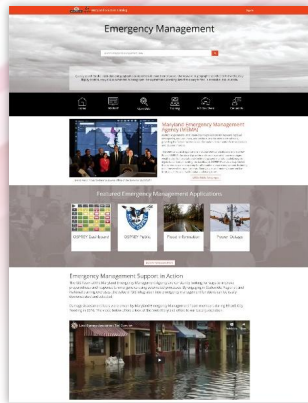
# Annual Report: Open Data Access Improvement

- Open data portals received updated home pages to better streamline and organize open data, as well as provide additional context to the information available to the public and the programs these datasets support



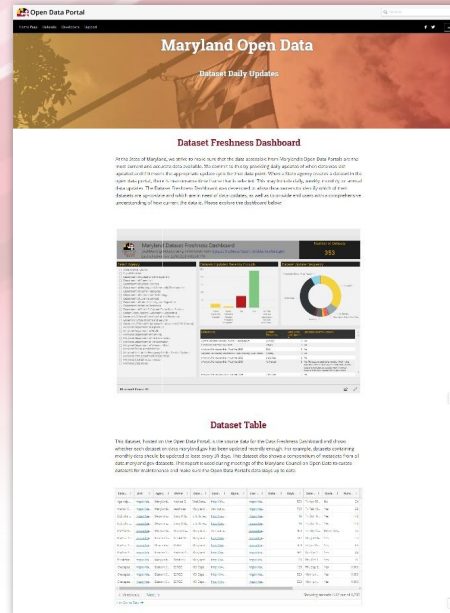
# Annual Report: Open Data Access Improvement

- Geospatial Open Data Portal has been updated to include area of interest subpages that allow customers to explore data, applications, and stories about particular areas of interests, including:
  - Emergency Management, Environment, Community Investment and Planning, and Transportation.



# Annual Report: Open Data Access Improvement

- The Open Data Portal includes adding category tiles, enhanced story features with narrative content



# Annual Report: Open Data Access Improvement

- Single dataset search for both open data portals

Search data sources from both portals.

Filter By:

Title  Portal ☐ Socrata ☐ GIS Data Catalog ☐ Both Tag/keyword  #Show Details

Data Results: 27

**BayStat Solutions Reporting - Maryland Dept. of the Environment 2003 - 2014**  
Data managed by Eastern Shore Regional Geographic Cooperative

Portal:	Last Modified:	Data Type:
Socrata	2017-04-25 11:50:06	table

**Managing for Results - Maryland Department of the Environment (MDE) - 2011 actual to 2017 estimated**  
Data managed by Department of Information Technology

Portal:	Last Modified:	Data Type:
Socrata	2016-03-22 12:29:42	table

**Maryland Archived Protected Lands Acquisitions - Maryland Environmental Trust 2007 Land Acquisitions Detail**  
Data managed by DNR

Portal:	Last Modified:	Data Type:
GIS Data Catalog	Unknown	Feature Service

**Maryland Archived Protected Lands Acquisitions - Maryland Environmental Trust 2007 Land Acquisitions General**  
Data managed by DNR

Portal:	Last Modified:	Data Type:
GIS Data Catalog	Unknown	Feature Service

**Maryland Archived Protected Lands Acquisitions - Maryland Environmental Trust 2008 Land Acquisitions Detail**  
Data managed by DNR

Portal:	Last Modified:	Data Type:
GIS Data Catalog	Unknown	Feature Service

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# Annual Report: Workgroup Development

## Administration and Management

- Develop guidelines of governance, for the Council workgroups, that extend beyond the statutory specifications.
- In 2018, Submit proposed guidelines for organizational governance, to the Council, for consideration and review through breakout sessions. Recommendation for guidelines has been presented to Chair and Vice-Chair.
- Term for five of the Council appointees expired in June of 2018. The Administration and Management Workgroup has worked to support the application and appointment process for two of the expiring appointments. The three remaining positions are under evaluation and the workgroup will continue to support the appointment process for these three.



# Annual Report: Workgroup Development

## Outreach and Training

- Lead the “Open Government Work Group Roundtable Discussion” at the Maryland Association of Counties Annual Conference
- Participation in dataMontgomery presenting Maryland’s Open Data Program at Montgomery County’s
- Presenting at Esri’s Federal GIS Conference
- Participating in the Socrata Community of Practice user group.

# Annual Report: Workgroup Development

## Data and Technical Resources

- Created to organize individuals who are interested in detailed data or technical related topics around open data. This includes data standards, structure, and organization, development tools, and applications.
- The workgroup was established in 2018 and has taken on two primary initiatives:
  - Data tagging: The workgroup is currently piloting a data tagging program that is identifying commonly used tags between the state and local governments
  - Data licensing: The workgroup has identified a number of licensing options to be presented to the Council for adoption in 2019

# Annual Report: Road Ahead

## Marketing and Communication

- To further expand the reach of open data in Maryland, and how open data is being used, an increased social media profile will be necessary. Enhanced marketing through social media, as well as the opportunity to proactively share new data available and how that data is successfully used to help solve problems, will expand the adoption of data use, further promote the open data portals as the “data resource” for state data in Maryland, and lend additional support to Maryland’s place as a leader in open data across the country

## Data Marking

- Maryland is leading an initiative with a number a states across the country to establish a data classification and marking framework that compliments the Federal Government’s Controlled Unclassified Information (CUI) program. The resulting framework will allow data to be easily identifiable both with Maryland as well as across state and jurisdictional boundaries.

# New Datasets

- **Aggregated Crash Data (Draft)** – Quarterly crash data aggregated to single data table
- **Road Closures** – Feed from CHART made available as data table
- **Maryland Roadway Interchange Exits** - (Map Service and Feature Service) - The following schema changes will be made: a new unique Route identifier based on Roads and Highways will be added.
- **Maryland Roadway Posted Speed Limits** - (Map Service and Feature Service) - The following schema changes will be made: the Route Contiguous Sequence field will be removed. A new unique Route Identifier based on Roads and Highways will be added.
- **Roadway Administrative Classification** - (Map Service and Feature Service) - This service shows State highways included in the State Primary and State Secondary systems throughout Maryland. Roadway Administrative Classification is primarily used for general planning and funding purposes by showcasing the State Primary vs. State Secondary systems.

# Workgroup Updates

Administration and Management  
Data and Technical Resources

# Workgroup Updates

## Data and Technical Resources

- Data Tagging
- Data Licensing
- Quality Assessment
- Data to add to the portals (Break out session)

# Workgroup Updates

## Data Tagging

Dataset	Maryland Open Data Portal	Montgomery County Open Data Portal
Crime	violent crime, public safety, homicide, rape, robbery, aggravated assault	crime, incidents, robberies, theft, assault, district, arson, montgomery, maryland, mdcoordinationcrime
Crash	<b>crash</b> , accident, vehicle, car, maryland state police, msp, department of maryland state police, public safety, <b>traffic</b> , highway, roadway, vehicle safety	<b>crash</b> , driver, pedestrian, <b>traffic</b> , vision zero, safety
Real Property	<b>property</b> , properties, real property, sdatt, state department of assessments and taxation, mdp, maryland department of planning, <b>tax</b> , assessments, value, housing, <b>house</b> , business, property tax, economy, real estate	<b>tax</b> , taxes, <b>property</b> , resident, treasury, bill, credits, <b>house</b>

# Workgroup Updates

## Data Licensing

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# Workgroup Updates

## Data Assessment

- Do we have the appetite to assess the quality of datasets?
- How to we want to evaluate?
- What do the agencies do from a quality level to ensure it is quality?
- What is the procedure?
- We could do a 10% Qc
- Example: Toll data should come direct from toll system but it does not. It is hand transcribed and could be prone to entry errors. We should have a more robust procedure.
- We can use BI tools to find bad data.

# Breakout Session

Data to add to the Portal....

Identify at least 3 datasets that you would want to see/use without consideration if they are on the Portals.

# Goals for 2019

Item for discussion at Spring Meeting:

When we think about goals, what is the balance between data standards, accountability, and promotion?

- Submit information in advance of Spring 2018 meeting



# Open Discussion / New Topics

Next Meeting: March 22, 2018